

Walter Wu

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EDUCATION

Stony Brook University, Stony Brook, NY

Sep 2012 - Aug 2017

- Bachelor of Science in Computer Science

- Bachelor of Science in Applied Mathematics and Statistics

Coursera - Machine Learning Specification

Nov 2016 - Jan 2017

Udacity - Machine Learning Nanodegree

Feb 2017 - Aug 2017

COURSEWORK

Software Engineering

Machine Learning

Computer Networks

Artificial Intelligence

Data Analysis

Computational Geometry

Data Visualization

Analysis of Algorithms

SKILLS

Programming Languages:

Python*

Java*

JavaScript

Go

HTML*

CSS

Tools:

TensorFlow*

Scikit-learn*

NumPy*

Pandas*

BeautifulSoup*

GraphLab

Jupyter Notebook*

Django

Spring MVC

Heroku

Git

Linux

PostgreSQL

Matplotlib

MATLAB

* Advanced Skills

PROJECTS

Sep 2017 - Present

Django web application | github.com/walter090/notitia

- Building an online publishing site with Django framework and PostgreSQL.

- Designing and implementing the front end with Javascript, HTML, and CSS.

Jun 2017 - Aug 2017

Image colorization with generative adversarial network | github.com/walter090/noir2color

- Implemented and trained a conditional generative adversarial network (CGAN) model to colorize grayscale images using TensorFlow.

- Acquired the dataset by scraping Getty and Google image search results with BeautifulSoup; preprocessed the data using Pillow and scikit-image.

- Generated photo realistic colorized images after training the model on the cloud.

Oct 2016 - Dec 2016

Data visualization | github.com/walter090/fires_plot_web | forest-fires.herokuapp.com

- Built a data visualization tool for the Montesinho natural park forest fires dataset using D3.js.

- Preprocessed the data with the help of Pandas and Numpy.

- Integrated the visualization tool with Django and deployed using Heroku.

Sep 2015 - Dec 2015

Java Spring Web Application | github.com/snowman090/TestingCenterScheduler

- Worked on a team of four on a Java web application for the Stony Brook Testing Center.

- Applied the MVC architecture and implemented using Java Spring MVC framework.

- Contributed to designing the relational database.

EXPERIENCE

Jun 2016 - Aug 2016

Data Intern at Lightbeam Technologies | Taizhou, China

- Helped designing and building a system that obtains and visualize data from emails.

- Parsed emails and web pages for data using BeautifulSoup and visualized the data using D3.js.

- Improved the process for email filtering and reduced the number of filtering errors.